Yeshiva University
Stern College for Women
Academic Advisement

Computer Science
Total Credits: **42+**

Department Chair: Professor Alan Broder
alan.broder@yu.edu

Find the Website here

REQUIRED COURSES

Course #	Course Name	Credits
COMP 1300	Introduction to Computer Science	4
COMP 1320	Data Structures	4
COMP 1504	Discrete Structures	3
COMP 2113	Computer Organization	3
COMP 2545	Algorithms	3
COMP 3562	Database Systems	3
COMP 3610	Operating Systems	3
COMP 3640	Programming Languages	3
COMP 3650	Object Oriented Software Design	3
MATH 1412*	Calculus I	4
MATH 2105*	Linear Algebra	3
COMP -----	Computer Science elective 1**	3
COMP -----	Computer Science elective 2**	3-4

* MATH 1412 and MATH 2105 may count toward the elective category of the General Education requirements.

** Recommended electives on the following page

RECOMMENDED ELECTIVES

Course #	Course Name	Credits
COMP 2314	Linux Programing for Data Analysis	4
COMP 2512	Networking & Communications	3
COMP 3770	Natural Language Processing	3
COMP 3780	Web Programing & Development	3
COMP 3921	Applied Machine Learning	3

Computer Science Minor
Total Credits: **20+**

REQUIRED COURSES

Course #	Course Name	Credits
COMP 1300	Introduction to Computer Science	4
COMP 1320	Data Structures	4

Plus four (4) additional courses in Computer Science

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